

03500.014183



*colle \$*  
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In-re Patent of: )  
: Examiner: Robert M. Kunemund  
MITSUAKI AMEMIYA )  
: Art Unit: 1722  
Appln. No.: 09/487,718 )  
:   
Filed: January 19, 2000 )  
:   
For: APPARATUS AND PROCESS FOR )  
PRODUCING CRYSTAL ARTICLE, )  
AND THERMOCOUPLE USED )  
THEREIN )  
:   
U.S. Patent No.: 7,014,707 B2 )  
:   
Issued: March 21, 2006 ) July 27, 2006

**Certificate**  
**AUG 02 2006**  
**of Correction**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**CERTIFICATE OF CORRECTION**  
**UNDER RULE 323**

Sir:

It is respectfully requested that a Certificate of Correction be issued by the Patent and Trademark Office due to mistakes of a clerical, typographical, or minor character, which were not the fault of the Patent and Trademark Office. A Certificate of Correction form, in duplicate, is enclosed.

08/01/2006 MBEYENE1 00000028 7014707

01 FC:1811

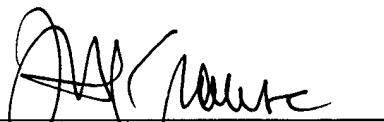
100.00 OP

Accompanying this letter is a check for \$100.00 to cover the statutory fee for such Certificate of Correction.

**AUG 2 2006**

Patentee's undersigned attorney may be reached in our New York office by telephone at (212) 218-2100. All correspondence should continue to be directed to our address given below.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'John A. Krause', is written over a horizontal line.

John A. Krause  
Attorney for Patentee  
Registration No. 24,613

FITZPATRICK, CELLA, HARPER & SCINTO  
30 Rockefeller Plaza  
New York, New York 10112-3801  
Facsimile: (212) 218-2200

582062v1

AUG 2 2006

Staple  
Here  
Only!

PRINTER'S TRIM LINE

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,014,707 B2

DATED : March 21, 2006

INVENTOR(S) : MITSUAKI AMEMIYA

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 6

Line 26, "deposit" should read --be deposited--.

COLUMN 9

Line 52, "is" (second occurrence) should read --are--;

COLUMN 10

Line 33, "is continued being descended" should read --continues to descend--;

Line 34, "occure" should read --occur--;

Line 35, "not" should read --not only--;

Line 65, "of" should be deleted; and

Line 67, "of" should be deleted.

COLUMN 12

Line 1, "is escaped" should read --escapes--.

COLUMN 14

Line 18, "is continued being descended" should read --continues to descend--.

COLUMN 18

Line 62, "vacuum" should read --in a vacuum--.

COLUMN 19

Line 30, "vacuum," should read --in a vacuum--; and

Line 33, "vacuum" should read --in a vacuum--.

MAILING ADDRESS OF SENDER:

FITZPATRICK, CELLA, HARPER & SCINTO  
30 Rockefeller Plaza  
New York, New York 10112-3801  
(212) 218-2100 - Telephone  
(212) 218-2200 - Facsimile

PATENT NO. US 7,014,707 B2

No. of add'l. copies  
@ 30¢ per page

Form PTO 1050 (Rev. 3-82)

582062v1



AUG 2 2006

Staple  
Here  
Only!

PRINTER'S TRIM LINE

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,014,707 B2

DATED : March 21, 2006

INVENTOR(S) : MITSUAKI AMEMIYA

Page 2 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 29

Line 60, "wire3 33" should read --wires 33--.

COLUMN 30

Line 6, "vacuum" should read --in a vacuum--.

COLUMN 31

Line 9, "upward" should read --upwardly--.

COLUMN 33

Line 2, "be" should be deleted.

MAILING ADDRESS OF SENDER:

FITZPATRICK, CELLA, HARPER & SCINTO  
30 Rockefeller Plaza  
New York, New York 10112-3801  
(212) 218-2100 - Telephone  
(212) 218-2200 - Facsimile

PATENT NO. US 7,014,707 B2

No. of add'l. copies  
@ 30¢ per page

Form PTO 1050 (Rev. 3-82)

582062v1



AUG 2 2006

Staple  
Here  
Only!

PRINTER'S TRIM LINE

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,014,707 B2  
DATED : March 21, 2006  
INVENTOR(S) : MITSUAKI AMEMIYA

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 6

Line 26, "deposit" should read --be deposited--.

COLUMN 9

Line 52, "is" (second occurrence) should read --are--.

COLUMN 10

Line 33, "is continued being descended" should read --continues to descend--;  
Line 34, "occure" should read --occur--;  
Line 35, "not" should read --not only--;  
Line 65, "of" should be deleted; and  
Line 67, "of" should be deleted.

COLUMN 12

Line 1, "is escaped" should read --escapes--.

COLUMN 14

Line 18, "is continued being descended" should read --continues to descend--.

COLUMN 18

Line 62, "vacuum" should read --in a vacuum--.

COLUMN 19

Line 30, "vacuum," should read --in a vacuum--; and  
Line 33, "vacuum" should read --in a vacuum--.

MAILING ADDRESS OF SENDER:

FITZPATRICK, CELLA, HARPER & SCINTO  
30 Rockefeller Plaza  
New York, New York 10112-3801  
(212) 218-2100 - Telephone  
(212) 218-2200 - Facsimile

PATENT NO. US 7,014,707 B2

No. of add'l. copies  
@ 30¢ per page



Staple  
Here  
Only!

PRINTER'S TRIM LINE

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,014,707 B2  
DATED : March 21, 2006  
INVENTOR(S) : MITSUAKI AMEMIYA

Page 2 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 29

Line 60, "wire3 33" should read --wires 33--.

COLUMN 30

Line 6, "vacuum" should read --in a vacuum--.

COLUMN 31

Line 9, "upward" should read --upwardly--.

COLUMN 33

Line 2, "be" should be deleted.

MAILING ADDRESS OF SENDER:

FITZPATRICK, CELLA, HARPER & SCINTO  
30 Rockefeller Plaza  
New York, New York 10112-3801  
(212) 218-2100 - Telephone  
(212) 218-2200 - Facsimile

PATENT NO. US 7,014,707 B2

No. of add'l. copies  
@ 30¢ per page

Form PTO 1050 (Rev. 3-82)

582062v1



AUG 2 2006